INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001020

Α	CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. 7: '	H04R 17/00; G01S 15/00		į			
According to I	nternational Patent Classification (IPC) or to both	national classification and IPC				
В.	FIELDS SEARCHED					
Minimum docur	mentation searched (classification system followed by	classification symbols)				
Documentation	searched other than minimum documentation to the ex	tent that such documents are included in the fields search	hed			
	base consulted during the international search (name of TO, ESP@CENET - keywords (sonar, sonic,	f data base and, where practicable, search terms used) curve, shape, contour, antenna, parabolic, ell	iptic and the			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	egory* Citation of document, with indication, where appropriate, of the relevant passages					
	US 5373483 A (BURKE) 13 December 199	94				
X	See abstract, column 5 lines 11-45		1-13			
•						
Α	US 5345428 A (ARNOLD et al.) 6 Septem See entire document	ber 1994				
A	US 6400649 B2 (SKINNER et al.) 4 June 2 See abstract & Figs. 1-4	2002				
· · · · · · · · · · · · · · · · · · ·		* ************************************	·			
Fi	urther documents are listed in the continuation	on of Box C . X See patent family annual	ex			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the "X" later document published after the international filing date or priority date and conflict with the application but cited to understand the principle or theory underlying the invention "C" later document published after the international filing date or priority date and conflict with the application but cited to understand the principle or theory underlying the invention						
		or cannot be considered to involve an inventive step when the alone				
or which	is cited to establish the publication date of	document of particular relevance; the claimed invention cannot involve an inventive step when the document is combined with	one or more other			
	t referring to an oral disclosure, use, exhibition	such documents, such combination being obvious to a person si document member of the same patent family	KIIICU IN IIIC AIT			
"P" documen	t published prior to the international filing date than the priority date claimed					
	al completion of the international search	Date of mailing of the international search report	2 050 000			
16 September	r 2004		2 2 SEP 2004			
Name and maili	ng address of the ISA/AU	Authorized officer				
	PATENT OFFICE VODEN ACT 2606, AUSTRALIA	Robert Kinzi				
E-mail address:	pct@ipaustralia.gov.au	ACDET TIME!				
Facsimile No. (02) 6285 3929	Telephone No : (02) 6283 2213	ļ			

INTERNATIONAL SEARCH REPORT Information on patent family members

International application No.

PCT/AU2004/001020

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
US	5373483	US	5237542	US	5327397			
US	5345428	AU	50650/90	AU	71637/87	AU	71639/87	
	·	EP	0297100	EP	0297101	GB	2209645	
	•	GB	2211693	US	5016228	US	5029148	
	•	WO	1987/005772	wo	1987/005773			
US	6400649	CA	2298394	EP	1039444	US	6278658	
		US	2001022757					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX